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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/885,919	06/22/2001	Wayne M. Zavis	000533.0108 5921 EXAMINER		
27557 75	90 07/12/2005				
BLANK ROME LLP 600 NEW HAMPSHIRE AVENUE, N.W.			BUDD, MARK OSBORNE		
WASHINGTON	•		ART UNIT	PAPER NUMBER	
	•		2834		
			DATE MAILED, 07/12/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Applicati	on No.	Applicant(s)				
	09/885,9	19	ZAVIS ET AL.	(A)			
Office Action Summary	Examine	• ,	Art Unit				
·	Mark Bud	<b>I</b> d	2834				
The MAILING DATE of this communication Period for Reply	appears on the	e cover sheet with the d	orrespondence add	iress			
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a  - If NO period for reply is specified above, the maximum statutory per  - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no every reply within the stated will apply and wature, cause the app	ent, however, may a reply be tin utory minimum of thirty (30) day ill expire SIX (6) MONTHS from lication to become ABANDONE	nely filed  rs will be considered timely.  the mailing date of this cor  D (35 U.S.C. § 133).	mmunication.			
Status							
1) Responsive to communication(s) filed on _	·						
•	2a) This action is <b>FINAL</b> . 2b) This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice unde	er Ex parte Qu	iayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims							
4)⊠ Claim(s) <u>1-20</u> is/are pending in the applicati	ion.			•			
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>17-20</u> is/are allowed.							
6)⊠ Claim(s) <u>1,2 and 6</u> is/are rejected.							
7)⊠ Claim(s) <u>3-5 and 7-16</u> is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers	·						
9)☐ The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>22 June 2001</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for fore	ign priority un	der 35 U.S.C. § 119(a)	)-(d) or (f).				
a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a l	•	` ''	ed				
Attachment(s)							
1) Notice of References Cited (PTO-892)		4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date	08)	5) Notice of Informal P. 6) Other:	atent Application (PTO-	152)			
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office	Action Summa	r <b>y</b> Pa	rt of Paper No./Mail Dat	e 20050623			

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Morino.

Note Morino fig. 10 which shows a first capacitor #702 and a second capacitor #3 coupled in series thru a transformer with first #51 and second #52 inductors, an third inductor 3911 coupled in series between the capacitors a switch #704 and a switch control #7. One capacitor 3702 is a piezoelectric element.

Claim 6 is rejected under 35 U.S.C. 102(b) as being anticipated by Schrod (252).

Note Scdhrod figures 1 and 3, first capacitor C1, second capacitor P1 a switch S1, S2, A 1 etc and a switch control (fig. 3). Col. 4 line 63-67 notes a desired operating frequency is predetermined. Since it is a foundation of piezoelectric transducers that resonance is the most efficient area of operation, and since the piezoelectric element is being used to convert electrical energy into mechanical energy by Schrod, it is reasonable to assume that resonance is the chosen operating point.

Further cited of interest are Sakakibara (fig. 16, 17A), Yamada (figs. 1 and 6), Gerken, Hoffmann and Schrod (155).

Claims 17-20 are allowed.

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Claims 3-5 and 7-16 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Budd/ds

07/01/05

MARK U. BUDD RIMARY EXAMINER